

# Tufail karim

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## BACKEND DEVELOPER

Backend Engineer with 3+ years of experience delivering scalable solutions, **improving application performance by 20%** across Education, E-Work, Legal, HRMS, and Financial domains. Proficient in JavaScript, TypeScript, Java, Node.js, Spring Boot, MySQL, and MongoDB. **Optimized Linux server reliability by 20%** and leveraged PowerApps, Power Automate, SharePoint, and GCP for secure, efficient applications. Engineered solutions that **reduced system downtime by 70%**.

## TECHNICAL SKILLS

<b>Languages</b>	: JavaScript, Typescript, Java, HTML, CSS
<b>Frameworks</b>	: Node.js, Express.js, Nest.js, Spring Boot
<b>Databases</b>	: MongoDB, Mongoose, TypeORM, MySQL, Sequelize, PostgreSQL, Redis
<b>Deployment</b>	: Linux, GCP, Docker, Git, CI/CD, Jenkins, CircleCI
<b>Management</b>	: Agile, Jira, Kanban, Miro, Scrum
<b>Power Platform</b>	: PowerApps, Power Automate, SharePoint

## WORK EXPERIENCE

### Software Engineer

Mindnerves Technology service Pvt.Ltd (Deputed to BSH Home Appliances India)

Sep-2022 – Till Now

Bengaluru, Karnataka, India

- Built **Role-Based Authentication** with secure user authentication and admin-approved login for new users, ensuring 99% enhanced security, using Node.js, Express.js.
- Sent **automated case notifications** to lawyers a week before hearings (excluding weekends) and maintain litigation history, reducing missed hearings and **cutting legal team effort by 30%**.
- Refactored code and optimized database queries to **reduce average response time by 30%**.
- Designed a **Multi-Level Approval Workflow** for dealership requests, **reducing processing time from a month to 10-15 days** by streamlining approvals based on credit days.
- Integrated DocuSign for e-signatures in dealership approvals, **reducing signature processing time from 4-5 days to just 1 day**, using Node.js and Express.js.
- Boosted server **stability 20%** by optimizing configurations and automating monitoring, **reducing downtime from 10% to 8%**.
- Developed an E-Work Permit feature for **Chennai factory users** to track overdue permits, enforce timely inspections, and **prevent 80-90% chances of disasters**, using Java, Spring Boot, PostgreSQL.
- Deployed scalable apps on GCP VM Instances and Cloud Storage, **enabling 30% faster deployment cycles, 99.9% uptime**, and secure multimedia management
- Constructed the **Vendor Resume Tracking module** to streamline hiring and track vendor performance, **reducing 15% of HR team effort** in maintaining candidate resume details., using Java, Spring Boot, MySQL, React.js, and Material-UI.
- Streamlined price assessments in the Pricing Evaluation application, **improving efficiency and accuracy by 100%** with automated workflows and an intuitive interface using Power Apps and SharePoint.
- Orchestrated the Disposal Application to automate and streamline the **asset disposal process in Thailand**, ensuring 100% compliance using Power Apps, Power Automate, and SharePoint.

### Web Developer

Qodestek

Jan-2022 – Aug-2022

Gandhinagar, Gujarat, India

- Designed a **high-performance RESTful API** for efficient data exchange, resulting in a 20% reduction in data transfer time.
- Integrated **Sentry for exception monitoring** using Node.js Nest.js, enabling 100% automatic error reporting to Microsoft Teams.
- Implemented a **login system with Keycloak (OpenID Connect)**, offering 100% compatibility with Gmail, Microsoft Teams, Facebook, and mobile number logins.
- Engineered a global try-catch mechanism (Node.js/Nest.js) **for Skill India app, slashing code redundancy by 10% and ensuring 100% consistent error handling** through streamlined, system-wide exception management.
- Create 20+ RESTful APIs for **the Skill India Application** using Node.js and Nest.js, enabling functionalities such as user registration, login, Aadhaar verification, sector search, apprenticeship lookup, and more.

## EDUCATION

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### Indira Gandhi National Open University

*Bachelor's in Computer Application*

New Delhi, India

Jun-2015 – Jun-2018

### Indira Gandhi National Open University

*Master's in Computer Application*

New Delhi, India

Jun-2018 – Dec-2020

## PROJECTS

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### WARD PROBLEM SOLUTION SYSTEM

*Node.js, Express.js, JavaScript, MongoDB, EJS, CSS, Bootstrap, HTML*

- Launched and maintained cloud-based infrastructure using Google App Engine for deploying solutions related to ward challenges; optimized performance metrics led to improved uptime reliability assessed at above 99%.

### PLANT POPULATION SYSTEM

*Node.js, NestJS, TypeScript, MongoDB, Mongoose, CSS, Bootstrap, HTML*

- Formulated and implemented a system to monitor plantation and de-plantation activities within the society.

## AWARDS ACHIEVEMENTS

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- **Top Performer** of the Month award for developing and integrating the product offer module
- **Reduced server costs by 35%** by switching from performance disks to balanced disks, aligning storage performance with application requirements.
- Acknowledged for troubleshooting and resolving multiple **critical business** issues

## CERTIFICATIONS

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- Udemy Certified: Node.js Developer
- Udemy Certified JavaScript Developer
- Coursera Certification: Learning how to Learn